



OPEN-FILE REPORT  
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OPEN FILE REPORT 78-030  
PLATE 31 OF 44

EXPLANATION

1000  
800

OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m).

20

MINING RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas within the stripping limit.

SL

STRIPPING LIMIT LINE—Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining.

B

BOUNDARY OF RESERVE BASE COAL—Drawn along the 5-foot (1.5 m) coal isopach. Arrows point toward area of Reserve Base coal.

163  
79

DRILL HOLE—Upper number is thickness of overburden, in feet, from surface to top of the coal bed. Lower number is the mining ratio where overburden is less than 200 feet (61 m).

To convert cubic yards of overburden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.  
To convert feet to meters, multiply feet by 0.3.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS  
OF THE BIRNEY QUADRANGLE, ROSEBUD COUNTY, MONTANA  
BY  
W. J. MAPEL AND B. K. MARTIN  
1978

PLATE 31  
ISOPACH OF OVERBURDEN  
AND MINING RATIO MAP OF  
THE NANCE COAL BED